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Journal of the American Statistical Association

Author and Subject Index
to Volumes 50-86 (1955-1991)

EDITORS

Bruce E. Trumbo
California State University, Hayward

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INTRODUCTION

This volume provides comprehensive Author and Subject indexes of the scientific papers published in the *Journal of the American Statistical Association (JASA)* during the 37-year period 1955-91. In all, approximately 4600 articles have been indexed. Announcements, officers' reports, and ordinary book reviews have been omitted. (However, a very few book reviews that assume the character of expository papers have been indexed.) The inside back cover gives the inclusive page numbers of the individual issues of *JASA* involved. The page immediately preceding this introduction lists the editors who served during the period covered.

With few modifications, we use the format of the recent issues of the *Current Index to Statistics (CIS).* The first two sections below explain some important features of this format.

About the Author Index

Articles by more than one person are listed under each author. For each article in an author's listing, the names of any co-authors, the title of the article, and its location are given. Two long dashes represent the name of the author that heads the listing; the order of the authors as given in the indexed paper is preserved. Within an author entry, papers appear in reverse chronological order.

When an author's family name begins with any of the following prefixes (or combination of them), in upper or lower case, it is alphabetized under the (first) prefix: *de, del, den, der, des, di, la, le, st, van, vander, von, vonder.* Otherwise, an author's name (temporarily disregarding suffixes such as *Jr.* and *III*) is ordinarily alphabetized starting after the last space it contains. (Thus *de Janosi* is found under *D*, *Van Ness* under *V*, *Bar-Lev* under *B*, and *O'Sullivan* under *O*.) In a few cases where we know that this convention gives incorrect results, the editors have intervened (e.g., *J. Tiago de Olivera* is found under *T*; rather than *D*, as would have resulted from the general rule).

Some authors have used a variety of forms for their names over the years: e.g., sometimes spelling out given names and sometimes using initials. Different versions yield completely separate author entries, which may not fall consecutively in alphabetical order in the index.

If a paper was published along with discussion, the Author Index lists each discussant as the author of his or her comments. The location of the discussion is given in parentheses. *Com:* indicates comments; *C/R:* indicates comments and author's reply; and *Add*: indicates an author's addendum, usually not in response to printed comments. The notation *Ref*: is used with a delayed discussion to indicate the location of the original paper; or with a paper to call attention to a very closely related paper.

Correction notes are not treated as separate papers. Instead, the existence and location of a correction to a paper are indicated with *Corr:* in parentheses after its title. (*Ack:* denotes an acknowledgement of priority, treated similarly.) In the few cases where a correction note appeared in the period 1955-91 for a paper published earlier, the original paper is indexed, showing the correction.

About the Subject Index

Unlike the Author Index, which always gives the full listing for an article, the Subject Index shortens each listing, if necessary, to fit on one line. This process begins by shortening each author's name to the family name only, may continue by replacing all but the first author by *et al.*, and, finally, may also truncate the title (usually indicated by ...).

The Subject Index has two types of entries: (a) those resulting from an important word in the title of a paper, and (b) those based on a key word or phrase. Typically, each paper will appear several times in the Subject Index, with each of its important words or key phrases alphabetized at the "gutter." Greek letters, numbers, etc. are alphabetized according to their English spelling. In addition to the usual key words and phrases, this index indicates when a paper originated as an *ASA Presidential Address* or as a *Fisher Memorial Lecture*.

To save space and to improve the readability of long runs of the same important word, we have given special treatment to some standard phrases. For example, *time series* appears under *time*, but not in the list of entries under *series*. In most such cases, cross-references beginning with *See...* and *See also...* suggest other places to look. For uniformity, this index uses nearly the same list of such potential cross-references as do the annual *CIS* volumes. Thus, some suggested target phrases will not actually occur in this index. However, even those alternative terminologies not occurring in *JASA* may be useful in using this index in conjunction with *CIS* and other bibliographic materials.

Discussions do not ordinarily appear as separate lines in the Subject Index. Except where the title of the main paper is abbreviated, it will carry parenthetical information about any comments and replies. For titles that have to be abbreviated to fit on one line in the Subject Index, refer to the Author Index, which always carries full information.

Previous *JASA* Indexes, Other Printed Indexes, and Electronic Media

Printed indexes. Three earlier indexes of *JASA* contain some of the information given in this index: (1) an author index for Volumes 51-60 (1956-65) appeared as Part 2 of Vol. 61, No. 314 (June 1966); (2) an author index for Volumes 61-72 (1966-77) appeared as Part 2 of Vol. 72, No. 360 (December 1977); and (3) an author and subject index (in *CIS* format) for Volumes 51-73 (1956-78) appeared as Part 2 of Vol. 74, No. 366 (June 1979). The two author-only indexes contain sections on book reviews.

Information in this index for the period 1975-91 appeared in Volumes 1-17 of *CIS*. Articles appearing in *JASA* during 1956-69 were included in *An Author and Permuted Title Index to Selected Statistics Journals* (National Bureau of Standards Special Publication No. 321), edited by Brian L. Joiner *et al.* Information on most *JASA* articles from the early 1940s through the mid 1960s can be found in the *Index to Statistics and Probability* (citation volume by John W. Tukey, and author and permuted title volumes by Ian C. Ross and Tukey), currently distributed by the American Mathematical Society (AMS). Finally, selected *JASA* articles that deal with linear models were included in the *Cumulative Index to Linear Models* (1975-88), edited by R. Dennis Cook and published by *CIS*.

Electronic formats. Information in this index for the period 1975-91 appeared in the *CIS Cumulative Data Base* (1992 edition). We anticipate that all of the information in this index will be available in computer-readable form in the 1993 edition of the *Data Base*. *CIS* data files are also available electronically on-line through the MathSci service of the AMS. Bibliographic records for *JASA* before 1955 are available in MathSci, based on information in the Tukey indexes mentioned above. MathSci also contains reviews of selected *JASA* articles, taken from *Mathematical Reviews*.

The electronic formats permit access to information in statistics journals other than *JASA*, the use of flexible search strategies, and printouts of the information retrieved. *CIS* is a joint project of ASA and the Institute of Mathematical Statistics (IMS). Descriptions and prices of *CIS* products can be obtained from the office of either society. Information about MathSci can be obtained from the American Mathematical Society, P.O. Box 6248, Providence, RI 02940.

Editorial Process and Acknowledgements

In response to a proposal by Bruce Trumbo in 1991, the ASA Board of Directors approved production of this index, and work began soon thereafter. Information for *JASA* from 1975-91 was extracted from the *CIS Cumulative Data Base*.

Thus, the work of *CIS* editors Brian Joiner (1975-79), James Gentle (1980-85), Richard Burdick (1985-89), and Edward Gbur (1990-present), and of their editorial assistants, was indispensable to this effort. We also thank the *CIS* Management Committee for allowing *CIS* records to be used.

Because the older records had suffered some deterioration before they were incorporated into the *CIS Data Base,* Eric Suess and Trumbo verified the records for 1975-80 with the original sources. *CIS* started using $\TeX$ notation for accent marks and mathematical notation in the late 1980s, and so earlier records were brought up to current standards in this regard, as necessary.

Records for 1955-74 were created especially for this project. In this early period, *JASA* articles did not yet carry key words and sometimes did not even have abstracts. Trumbo selected key words and phrases using information in the abstract (where available), introduction, section headings, etc. of each paper. Under contract to ASA, Bill Brent of Amador Communications (San Francisco) did the computer entry for these new records.

Trumbo, Gbur, and Suess edited the entire *JASA* data base for consistency in style and in the choice of key words. In particular, for papers in the period 1956-74, our key words and phrases were compared with—and often augmented by—those used in the 1979 *JASA* index, mentioned above. Thus, the editors of that index, Linda D. Anderson and Stephen E. Fienberg (and their many collaborators), have contributed indirectly to this index as well. Finally, Gbur used the resulting data base along with *CIS* computer programs to make the Author Index, and to make and edit the Subject Index.

In taking information from a variety of sources to prepare this index, we have found and corrected many errors, but we recognize that we cannot have found them all, and that we may have introduced a few new ones of our own. We apologize to the authors of papers and to our readers for any inaccuracies that remain. Because the information in this index will become part of the *CIS Cumulative Data Base*, which is updated and corrected each year, **readers are urged to report errors** to the CIS Data Base Editor, IMS Business Office, 3401 Investment Blvd., Suite 7, Hayward, CA 94545.

In addition to those mentioned above, we are happy to acknowledge the assistance and encouragement of Barbara Bailar, ASA Executive Director, and of many members of the ASA staff throughout the planning, editing, and production phases of this project. In particular, we thank Linda A. Dziobek, Richard Foley, Terence Mulligan, and Alison Stern-Dunyak for their help. This index is copyrighted by ASA (1993), and copies are available (while supplies last) through the ASA office, 1429 Duke Street, Alexandria, VA 22314.

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1. Issue No. 314, Part 2 is an author index to Vols. 51-60 (65 pages).
2. Beginning with Vol. 66, the page size was increased to the current 8.5 x 11 inch format.
3. Issue No. 351, Part 2 is a revision of U.S. Bureau of the Census, Technical Paper 32 (23 pages).
4. Issue No. 360, Part 2 is an author index to Vols. 61-72 (55 pages).
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